

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/574,398
Source: IFWP
Date Processed by STIC: 04/26/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/574,398

TIME: 07:32:52

Input Set : F:\5176.ST25.txt

Output Set: N:\CRF4\04262006\J574398.raw

3 <110> APPLICANT: Bayer Pharamceuticals Corporation
 4 Pauloski, Nicole
 5 Taylor, Ian
 6 Bigwood, Douglas
 8 <120> TITLE OF INVENTION: GENE EXPRESSION PROFILES AND METHODS OF USE
 10 <130> FILE REFERENCE: 5176
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/574,398
 C--> 12 <141> CURRENT FILING DATE: 2006-03-31
 12 <150> PRIOR APPLICATION NUMBER: PCT/US04/34163
 13 <151> PRIOR FILING DATE: 2004-10-01
 15 <150> PRIOR APPLICATION NUMBER: US 60/508,355
 16 <151> PRIOR FILING DATE: 2003-10-03
 18 <160> NUMBER OF SEQ ID NOS: 400
 20 <170> SOFTWARE: PatentIn version 3.3
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1863
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1
 28 gggggccaaa ggggaagtgc gcgaggttta caaccagctg cagtggttcg atgggaagga 60
 30 tctttctcca agtggttcct cttgagggga gcatttctgc tggctccagg actttggcca 120
 32 tctataaagc ttggcaatga gaaataagaa aattctcaag gaggacgagc tcttgagtga 180
 34 gacccaacaa gctgcttttc accaaattgc aatggagcct ttcgaaatca atgttccaaa 240
 36 gcccaagagg agaaatgggg tgaacttctc cctagctgtg gtggtcatct acctgatcct 300
 38 gctcacccgt ggcgctgggc tgcgtggtgt ccaagttctg aatctgcagg cgcggctccg 360
 40 ggtcctggag atgtatttcc tcaatgacac tctggcggct gaggacagcc cgtccttctc 420
 42 cttgctgcag tcagcacacc ctggagaaca cctggctcag ggtgcacgga ggctgcaagt 480
 44 cctgcaggcc caactcacct gggtcgcgt cagccatgag cacttgctgc agcgggtaga 540
 46 caacttcact cagaaccacg ggatgttcag aatcaaagggt gaacaaggcg ccccagggtct 600
 48 tcaaggccac aagggggcca tgggcatgcc tgggtgccct ggcccgcgg gaccacctgc 660
 50 tgagaaggga gccaaagggg ctatgggacg agatggagca acaggcccct cgggacccca 720
 52 agggccaccg ggagtcaagg gagaggcggg cctccaagga ccccagggtg ctccaggga 780
 54 gcaaggagcc actggcacc caggacccca aggagagaag ggcagcaaag gcgatggggg 840
 56 tctcattggc ccaaaagggg aaactggaac taaggagag aaaggagacc tgggtctccc 900
 58 aggaagcaaa ggggacagg gcatgaaagg agatgcagg gtcatggggc ctctggagc 960
 60 ccaggggagt aaaggtgact tcgggaggcc agggccacca ggtttggctg gttttcctgg 1020
 62 agctaaagga gatcaaggac aacctggact gcagggtgtt ccgggccctc ctggtgcagt 1080
 64 gggacaccca ggtgccaaagg gtgagcctgg cagtgcagg tcccctgggc gagcaggact 1140
 66 tccagggagc cccgggagtc caggagccac aggcctgaaa ggaagcaaag gggacacagg 1200
 68 acttcaagga cagcaaggaa gaaaaggaga atcaggagtt ccaggccctg caggtgtgaa 1260
 70 gggagaacag gggagcccag ggctggcagg tcccaaggga gccctggac aagctggcca 1320
 72 gaaggagac cagggagtga aaggatcttc tggggagcaa ggagtaaagg gagaaaaagg 1380
 74 tgaaagaggt gaaaactcag tgtccgtcag gattgtcggc agtagtaacc gaggccgggc 1440

(pg-6)

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/574,398

TIME: 07:32:52

Input Set : F:\5176.ST25.txt

Output Set: N:\CRF4\04262006\J574398.raw

```

76 tgaagtttac tacagtggta cctggggggac aatttgcgat gacgagtggc aaaattctga 1500
78 tgccattgtc ttctgccgca tgctgggtta ctccaaagga agggccctgt acaaagtggg 1560
80 agctggcact gggcagatct ggctggataa tgttcagtgt cggggcacgg agagtaccct 1620
82 gtggagctgc accaagaata gctggggcca tcatgactgc agccacgagg aggacgcagg 1680
84 cgtggagtgc agcgtctgac ccggaaccc tttcacttct ctgctcccga ggtgtcctcg 1740
86 ggctcatatg tgggaaggca gaggatctct gaggagtcc ctggggacaa ctgagcagcc 1800
88 tctggagagg ggccattaat aaagctcaac atcaaaaaaa aaaaagaaaa aaaaaaaaaa 1860
90 aaa 1863
93 <210> SEQ ID NO: 2
94 <211> LENGTH: 520
95 <212> TYPE: PRT
96 <213> ORGANISM: homo sapiens
98 <400> SEQUENCE: 2
100 Met Arg Asn Lys Lys Ile Leu Lys Glu Asp Glu Leu Leu Ser Glu Thr
101 1 5 10 15
104 Gln Gln Ala Ala Phe His Gln Ile Ala Met Glu Pro Phe Glu Ile Asn
105 20 25 30
108 Val Pro Lys Pro Lys Arg Arg Asn Gly Val Asn Phe Ser Leu Ala Val
109 35 40 45
112 Val Val Ile Tyr Leu Ile Leu Leu Thr Ala Gly Ala Gly Leu Leu Val
113 50 55 60
116 Val Gln Val Leu Asn Leu Gln Ala Arg Leu Arg Val Leu Glu Met Tyr
117 65 70 75 80
120 Phe Leu Asn Asp Thr Leu Ala Ala Glu Asp Ser Pro Ser Phe Ser Leu
121 85 90 95
124 Leu Gln Ser Ala His Pro Gly Glu His Leu Ala Gln Gly Ala Ser Arg
125 100 105 110
128 Leu Gln Val Leu Gln Ala Gln Leu Thr Trp Val Arg Val Ser His Glu
129 115 120 125
132 His Leu Leu Gln Arg Val Asp Asn Phe Thr Gln Asn Pro Gly Met Phe
133 130 135 140
136 Arg Ile Lys Gly Glu Gln Gly Ala Pro Gly Leu Gln Gly His Lys Gly
137 145 150 155 160
140 Ala Met Gly Met Pro Gly Ala Pro Gly Pro Gly Pro Pro Ala Glu
141 165 170 175
144 Lys Gly Ala Lys Gly Ala Met Gly Arg Asp Gly Ala Thr Gly Pro Ser
145 180 185 190
148 Gly Pro Gln Gly Pro Pro Gly Val Lys Gly Glu Ala Gly Leu Gln Gly
149 195 200 205
152 Pro Gln Gly Ala Pro Gly Lys Gln Gly Ala Thr Gly Thr Pro Gly Pro
153 210 215 220
156 Gln Gly Glu Lys Gly Ser Lys Gly Asp Gly Gly Leu Ile Gly Pro Lys
157 225 230 235 240
160 Gly Glu Thr Gly Thr Lys Gly Glu Lys Gly Asp Leu Gly Leu Pro Gly
161 245 250 255
164 Ser Lys Gly Asp Arg Gly Met Lys Gly Asp Ala Gly Val Met Gly Pro
165 260 265 270
168 Pro Gly Ala Gln Gly Ser Lys Gly Asp Phe Gly Arg Pro Gly Pro Pro
169 275 280 285

```

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/574,398

TIME: 07:32:52

Input Set : F:\5176.ST25.txt

Output Set: N:\CRF4\04262006\J574398.raw

```

172 Gly Leu Ala Gly Phe Pro Gly Ala Lys Gly Asp Gln Gly Gln Pro Gly
173      290      295      300
176 Leu Gln Gly Val Pro Gly Pro Pro Gly Ala Val Gly His Pro Gly Ala
177 305      310      315      320
180 Lys Gly Glu Pro Gly Ser Ala Gly Ser Pro Gly Arg Ala Gly Leu Pro
181      325      330      335
184 Gly Ser Pro Gly Ser Pro Gly Ala Thr Gly Leu Lys Gly Ser Lys Gly
185      340      345      350
188 Asp Thr Gly Leu Gln Gly Gln Gln Gly Arg Lys Gly Glu Ser Gly Val
189      355      360      365
192 Pro Gly Pro Ala Gly Val Lys Gly Glu Gln Gly Ser Pro Gly Leu Ala
193      370      375      380
196 Gly Pro Lys Gly Ala Pro Gly Gln Ala Gly Gln Lys Gly Asp Gln Gly
197 385      390      395      400
200 Val Lys Gly Ser Ser Gly Glu Gln Gly Val Lys Gly Glu Lys Gly Glu
201      405      410      415
204 Arg Gly Glu Asn Ser Val Ser Val Arg Ile Val Gly Ser Ser Asn Arg
205      420      425      430
208 Gly Arg Ala Glu Val Tyr Tyr Ser Gly Thr Trp Gly Thr Ile Cys Asp
209      435      440      445
212 Asp Glu Trp Gln Asn Ser Asp Ala Ile Val Phe Cys Arg Met Leu Gly
213      450      455      460
216 Tyr Ser Lys Gly Arg Ala Leu Tyr Lys Val Gly Ala Gly Thr Gly Gln
217 465      470      475      480
220 Ile Trp Leu Asp Asn Val Gln Cys Arg Gly Thr Glu Ser Thr Leu Trp
221      485      490      495
224 Ser Cys Thr Lys Asn Ser Trp Gly His His Asp Cys Ser His Glu Glu
225      500      505      510
228 Asp Ala Gly Val Glu Cys Ser Val
229      515      520
232 <210> SEQ ID NO: 3
233 <211> LENGTH: 816
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo sapiens
238 <220> FEATURE:
239 <221> NAME/KEY: misc_feature
240 <222> LOCATION: (293)..(293)
241 <223> OTHER INFORMATION: n is a, c, g, or t
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (509)..(509)
246 <223> OTHER INFORMATION: n is a, c, g, or t
248 <220> FEATURE:
249 <221> NAME/KEY: misc_feature
250 <222> LOCATION: (534)..(534)
251 <223> OTHER INFORMATION: n is a, c, g, or t
253 <220> FEATURE:
254 <221> NAME/KEY: misc_feature
255 <222> LOCATION: (624)..(624)

```

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/574,398

TIME: 07:32:52

Input Set : F:\5176.ST25.txt

Output Set: N:\CRF4\04262006\J574398.raw

```

256 <223> OTHER INFORMATION: n is a, c, g, or t
258 <220> FEATURE:
259 <221> NAME/KEY: misc_feature
260 <222> LOCATION: (657)..(657)
261 <223> OTHER INFORMATION: n is a, c, g, or t
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (671)..(671)
266 <223> OTHER INFORMATION: n is a, c, g, or t
268 <400> SEQUENCE: 3
269 ttttgctaaa cattttttta agtatgagtc cttgttttaa aagaaaagat taaaacagaa      60
271 aatatttttct ataaataata catgtatttt ggtttttagtg ctcccgccct aaggtttgaa      120
273 gtttactttt atccagtacc tttttcctcc atgatcacct ttttttctct ttcccctctc      180
275 ccactcgtgc acacgtgggg gtttctgcga gaattggcct tgctgcactg tgattggcga      240
W--> 277 agacgtgaaa ctttttaaaa aaaataactta aaattggttc ttttgtttca ttntgtgtat      300
279 ttgaagtttt agttatcttc agactcctct tctgcttccc gcagccacgt gaagaatgcc      360
281 gtgacagatt tcagagccac gcccttccca ttctgctctg cagggtcctt gctgctctcc      420
283 catttgtaga aggcattctc ggagatcacc tcctcgtcat atagacaatc aaaaaacatc      480
W--> 285 cgcagcacat tggcaggttg atcaagttna actatcgatg cttgtagtgc atanagtgc      540
287 tgcagttcct tctctgtatc tgagtctagg tacttgagta agatcggcac tctctgcttg      600
W--> 289 ataacagcag tgtccactct gaangtagaa gagtcggcta taatagctgc tttacanaca      660
W--> 291 gcagtcatta nagctctaac gaatgtagtg aactcatctg gatttcgtct agattagcct      720
293 ctaccagtc aaagatctgt catcatctgc tttgctctca attatgagtt tctcgagttg      780
295 cttatgcagg tcttcgcag acaagtcttt ctttga      816
298 <210> SEQ ID NO: 4
299 <211> LENGTH: 1585
300 <212> TYPE: PRT
301 <213> ORGANISM: Homo sapiens
303 <400> SEQUENCE: 4
305 Met Asn Ser Gln Pro Gln Thr Arg Ser Pro Phe Phe Gln Arg Pro Gln
306 1 5 10 15
309 Ile Gln Pro Pro Arg Ala Thr Ile Pro Asn Ser Ser Pro Ser Ile Arg
310 20 25 30
313 Pro Gly Ala Gln Thr Pro Thr Ala Val Tyr Gln Ala Asn Gln His Ile
314 35 40 45
317 Met Met Val Asn His Leu Pro Met Pro Tyr Pro Val Pro Gln Gly Pro
318 50 55 60
321 Gln Tyr Cys Ile Pro Gln Tyr Arg His Ser Gly Pro Pro Tyr Val Gly
322 65 70 75 80
325 Pro Pro Gln Gln Tyr Pro Val Gln Pro Pro Gly Pro Gly Pro Phe Tyr
326 85 90 95
329 Pro Gly Pro Gly Pro Gly Asp Phe Pro Asn Ala Tyr Gly Thr Pro Phe
330 100 105 110
333 Tyr Pro Ser Gln Pro Val Tyr Gln Ser Ala Pro Ile Ile Val Pro Thr
334 115 120 125
337 Gln Gln Gln Pro Pro Pro Ala Lys Arg Glu Lys Lys Thr Ile Arg Ile
338 130 135 140
341 Arg Asp Pro Asn Gln Gly Gly Lys Asp Ile Thr Glu Glu Ile Met Ser
342 145 150 155 160

```

RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/10/574,398

TIME: 07:32:52

Input Set : F:\5176.ST25.txt

Output Set: N:\CRF4\04262006\J574398.raw

```

345 Gly Gly Gly Ser Arg Asn Pro Thr Pro Pro Ile Gly Arg Pro Thr Ser
346          165          170          175
349 Thr Pro Thr Pro Pro Gln Gln Leu Pro Ser Gln Val Pro Glu His Ser
350          180          185          190
353 Pro Val Val Tyr Gly Thr Val Glu Ser Ala His Leu Ala Ala Ser Thr
354          195          200          205
357 Pro Val Thr Ala Ala Ser Asp Gln Lys Gln Glu Glu Lys Pro Lys Pro
358          210          215          220
361 Asp Pro Val Leu Lys Ser Pro Ser Pro Val Leu Arg Leu Val Leu Ser
362 225          230          235          240
365 Gly Glu Lys Lys Glu Gln Glu Gly Gln Thr Ser Glu Thr Thr Ala Ile
366          245          250          255
369 Val Ser Ile Ala Glu Leu Pro Leu Pro Pro Ser Pro Thr Thr Val Ser
370          260          265          270
373 Ser Val Ala Arg Ser Thr Ile Ala Ala Pro Thr Ser Ser Ala Leu Ser
374          275          280          285
377 Ser Gln Pro Ile Phe Thr Thr Ala Ile Asp Asp Arg Cys Glu Leu Ser
378          290          295          300
381 Ser Pro Arg Glu Asp Thr Ile Pro Ile Pro Ser Leu Thr Ser Cys Thr
382 305          310          315          320
385 Glu Thr Ser Asp Pro Leu Pro Thr Asn Glu Asn Asp Asp Asp Ile Cys
386          325          330          335
389 Lys Lys Pro Cys Ser Val Ala Pro Asn Asp Ile Pro Leu Val Ser Ser
390          340          345          350
393 Thr Asn Leu Ile Asn Glu Ile Asn Gly Val Ser Glu Lys Leu Ser Ala
394          355          360          365
397 Thr Glu Ser Ile Val Glu Ile Val Lys Gln Glu Val Leu Pro Leu Thr
398          370          375          380
401 Leu Glu Leu Glu Ile Leu Glu Asn Pro Pro Glu Glu Met Lys Leu Glu
402 385          390          395          400
405 Cys Ile Pro Ala Pro Ile Thr Pro Ser Thr Val Pro Ser Phe Pro Pro
406          405          410          415
409 Thr Pro Pro Thr Pro Pro Ala Ser Pro Pro His Thr Pro Val Ile Val
410          420          425          430
413 Pro Ala Ala Ala Thr Thr Val Ser Ser Pro Ser Ala Ala Ile Thr Val
414          435          440          445
417 Gln Arg Val Leu Glu Glu Asp Glu Ser Ile Arg Thr Cys Leu Ser Glu
418          450          455          460
421 Asp Ala Lys Glu Ile Gln Asn Lys Ile Glu Val Glu Ala Asp Gly Gln
422 465          470          475          480
425 Thr Glu Glu Ile Leu Asp Ser Gln Asn Leu Asn Ser Arg Arg Ser Pro
426          485          490          495
429 Val Pro Ala Gln Ile Ala Ile Thr Val Pro Lys Thr Trp Lys Lys Pro
430          500          505          510
433 Lys Asp Arg Thr Arg Thr Thr Glu Glu Met Leu Glu Ala Glu Leu Glu
434          515          520          525
437 Leu Lys Ala Glu Glu Glu Leu Ser Ile Asp Lys Val Leu Glu Ser Glu
438          530          535          540
441 Gln Asp Lys Met Ser Gln Gly Phe His Pro Glu Arg Asp Pro Ser Asp

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/574,398DATE: 04/26/2006
TIME: 07:32:53Input Set : F:\5176.ST25.txt
Output Set: N:\CRF4\04262006\J574398.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 293,509,534,624,657,671
Seq#:7; N Pos. 377
Seq#:13; N Pos. 508,524,532,585
Seq#:27; N Pos. 106,220,434
Seq#:41; N Pos. 1536
Seq#:43; N Pos. 34,115,321,356,359,378,385,394
Seq#:44; Xaa Pos. 12,39,107,119,120,129,132
Seq#:47; N Pos. 1871,1880,2479,2899
Seq#:48; Xaa Pos. 624,627,827,967
Seq#:65; N Pos. 477
Seq#:86; N Pos. 467,481,508,529,559
Seq#:88; N Pos. 305
Seq#:98; N Pos. 528,569,606
Seq#:106; N Pos. 639
Seq#:112; N Pos. 611,730,798,800
Seq#:142; N Pos. 464
Seq#:150; N Pos. 276,343,359,364,398,405,409
Seq#:152; N Pos. 179,203,503,505,506,508,568,627,629,680,694,702
Seq#:154; N Pos. 147,428,534,566,572
Seq#:160; N Pos. 522
Seq#:164; N Pos. 282
Seq#:188; N Pos. 149,155,156,157,160,180,201,203,396,411,454,475,495,514
Seq#:188; N Pos. 521,530,553,564,579,586,607,613
Seq#:222; N Pos. 383,392,416,477,483,523,564,593,602,619,627
Seq#:226; N Pos. 395
Seq#:238; N Pos. 797
Seq#:294; N Pos. 545,571,588,593,656
Seq#:314; N Pos. 569
Seq#:326; N Pos. 622
Seq#:336; N Pos. 370,426,458,471,483,484,510,519,535,538
Seq#:344; N Pos. 572,687
Seq#:361; N Pos. 47,271,290,333,359,466,467,582,655,669,895

VERIFICATION SUMMARY

DATE: 04/26/2006

PATENT APPLICATION: US/10/574,398

TIME: 07:32:53

Input Set : F:\5176.ST25.txt

Output Set: N:\CRF4\04262006\J574398.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:480
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:600
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:660
L:1067 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:360
L:1808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:480
L:1810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:540
L:3848 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60
L:3852 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:180
L:3860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:420
L:5704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:1500
L:5829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:5831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:60
L:5839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:300
L:5841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:360
L:5884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:5892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:32
L:5908 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:96
L:5912 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:112
L:5916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:128
L:6147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:1860
L:6167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:2460
L:6181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:2880
L:6378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:608
L:6382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:624
L:6430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:816
L:6466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:960
L:9048 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:420
L:13011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:420
L:13013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:480
L:13015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:540
L:13127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:300
L:13975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:480
L:13977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:540
L:13979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:600
L:16229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:600
L:16510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:600
L:16514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:720
L:16516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:780
L:19326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:420
L:19922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:240
L:19924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:300
L:19926 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:360
L:20084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:120
L:20086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:180
L:20096 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:480

VERIFICATION SUMMARY

DATE: 04/26/2006

PATENT APPLICATION: US/10/574,398

TIME: 07:32:53

Input Set : F:\5176.ST25.txt

Output Set : N:\CRF4\04262006\J574398.raw

L:20098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:540
L:20100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:600
L:20102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:660
L:20404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:120
L:20414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:420
L:20416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:480
L:20418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:540
L:20826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:480
L:21296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164 after pos.:240
L:24245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:120
L:24247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:180
L:24253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:360
L:24255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:420
L:24257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:480
L:24259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:540
L:24261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:600
L:27719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:360
L:27721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:420
L:27723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:480
L:27725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:540
L:27727 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:600
L:28439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226 after pos.:360
L:30299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:238 after pos.:780
L:39805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:540
L:39807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:294 after pos.:600
L:42885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:314 after pos.:540
L:44337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:326 after pos.:600
L:45307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336 after pos.:360
L:45309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336 after pos.:420
L:45311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:336 after pos.:480
L:45942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344 after pos.:540
L:45946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344 after pos.:660
L:47542 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:0
L:47550 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:240
L:47552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:300
L:47556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:420
L:47560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:540
L:47562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:600
L:47564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:660
L:47570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:840